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CHISU, A.; MARCS, D.; ALBU, T.; HULPE, Gh.; BOGDAN, M.; MATIESAN, Dorina; DALY, A.; VERES, A.; SZABO, A.

Contributions to the studies on the wear of spur gear wheels with straight teeth made of nodular graphite cast iron with the aid of radioactive isotopes. Bul stiint polit Cluj 6:213-223 '63.

1. Institute of Atomic Physics, Magurele (for Szabo).

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MAROS, D.

Gearing calculation by the method of rolling geometry and the determination of the general fundamental law of gearing. Studii cerc mec apl 15 no.2:405-431 '64.

1. Institute of Calculation, Cluj. Submitted December 12, 1963

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Dezideriu, conf. ing.

Rectifying evolvent worms. Metalurgia constr mas 15 no.2:140-144 F '63.

1. Institutul politehnic, Cluj.

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MAROS, Ferenc

Design of highly sensitive amateur band super sets. (To be contd.) Radiotechnika 12 no.11:362-363 N '62.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Ferenc

Designing highly sensitive amateur band super sets. II. (To be contd.).
Radiotechnika 12 no.12:406-409 D '62.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Ferenc

Designing of highly sensitive amateur band super sets.III.
Radiotechnika 13 no.1:13-14 Ja '63.

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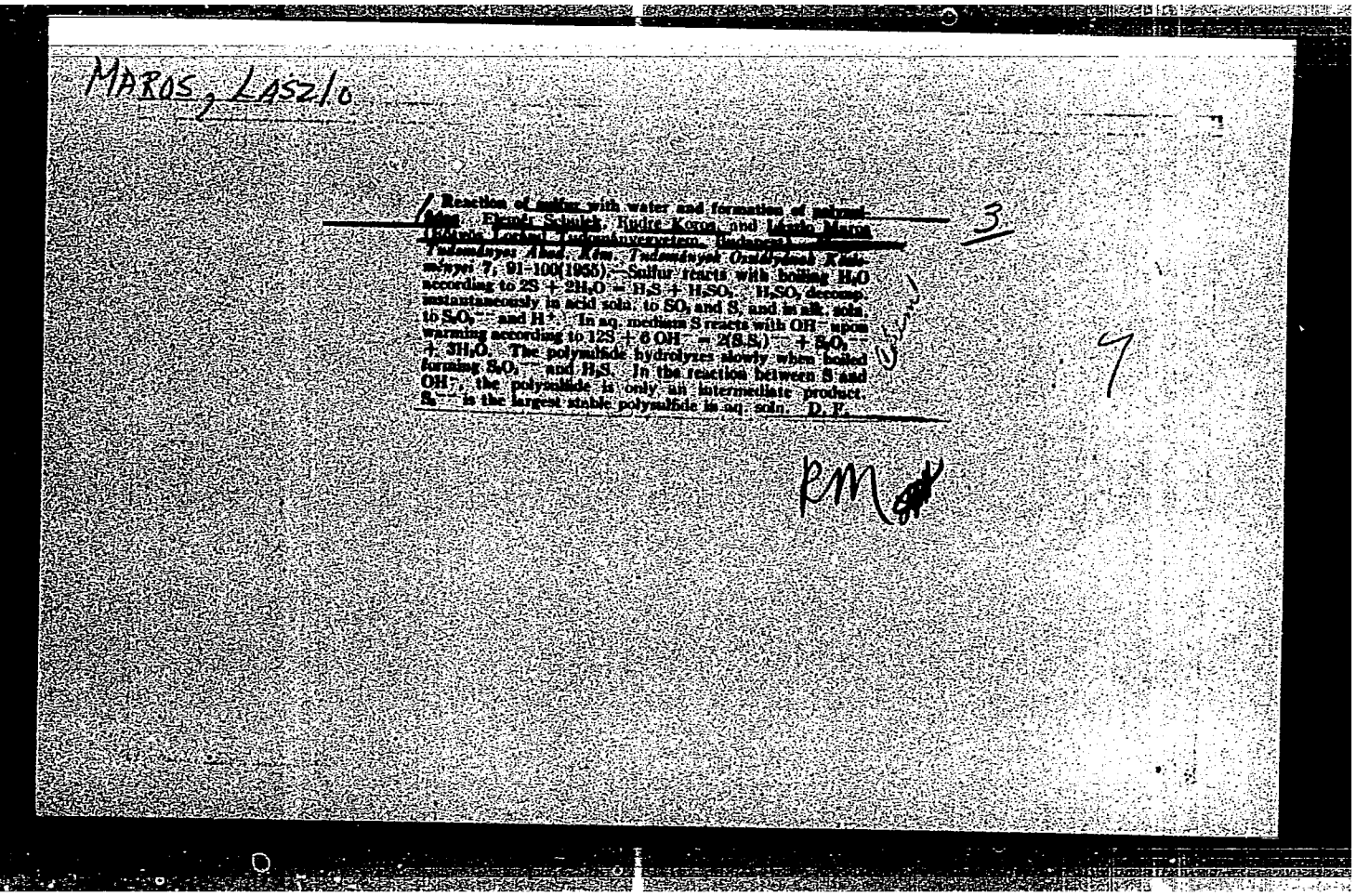

MAROS, Laszlo

Reaction of sulfur with water and formation of polysul[illegible]. Bjørn Schiøtz, Rudre Koren, and László Maros. [illegible] Tudományegyetem, Budapest, Hung. *Tudományos Osztályának Közlemények* 7, 91-100(1955).—Sulfur reacts with boiling H_2O according to $2S + 2H_2O = H_2S + H_2SO_3$. H_2SO_3 decomps. instantaneously in acid soln. to SO_2 and S, and in alk. soln. to $S_2O_3^{--}$ and H^+. In aq. medium S reacts with OH^- upon warming according to $12S + 6OH^- = 2(S_5S)^{--} + S_2O_3^{--} + 3H_2O$. The polysulfide hydrolyzes slowly when boiled forming $S_2O_3^{--}$ and H_2S. In the reaction between S and OH^-, the polysulfide is only an intermediate product. S_5^{--} is the largest stable polysulfide in aq. soln. D. F.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, L.

East Germany/Inorganic Chemistry. Complex Compounds. C

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 18826

Author : E.Schulek E. Koros, L. Maros.
Inst : Academy of Sciences of Hungary
Title : Sulphur Hydrolysis and Chemistry of Polysulfides.

Orig Pub : Acta Chim. Acad. Sci. Hung., 1956, 10, No 1 - 3

Abstract : When fine sulphur powder is boiled in water, hydrolysis is taking place in accordance with the reaction $2S + 2H_2O = H_2S + H_2SO_2$. The forming H_2SO_2 decomposes immediately according to one of the schemes: $2H_2SO_2 = SO_2 + S + 2H_2O$ (at pH < 7), or $2H_2SO_2 = S_2O_3^{2-} + H_2O + 2H^+$ (at pH > 7). The attempts to isolate H_2SO_2 or its salts proved to be unsuccessful The correctness of the above equations was confirmed only by the ratio of the hydrolysis products. In the discussed solution of $AgClO_4$, the hydrolysis by sulphur proceeds according to the equation $4S + 4H_2O + 6Ag^+ = 3Ag_2S + SO_4^{2-} + 8H^+$. If sulphur is

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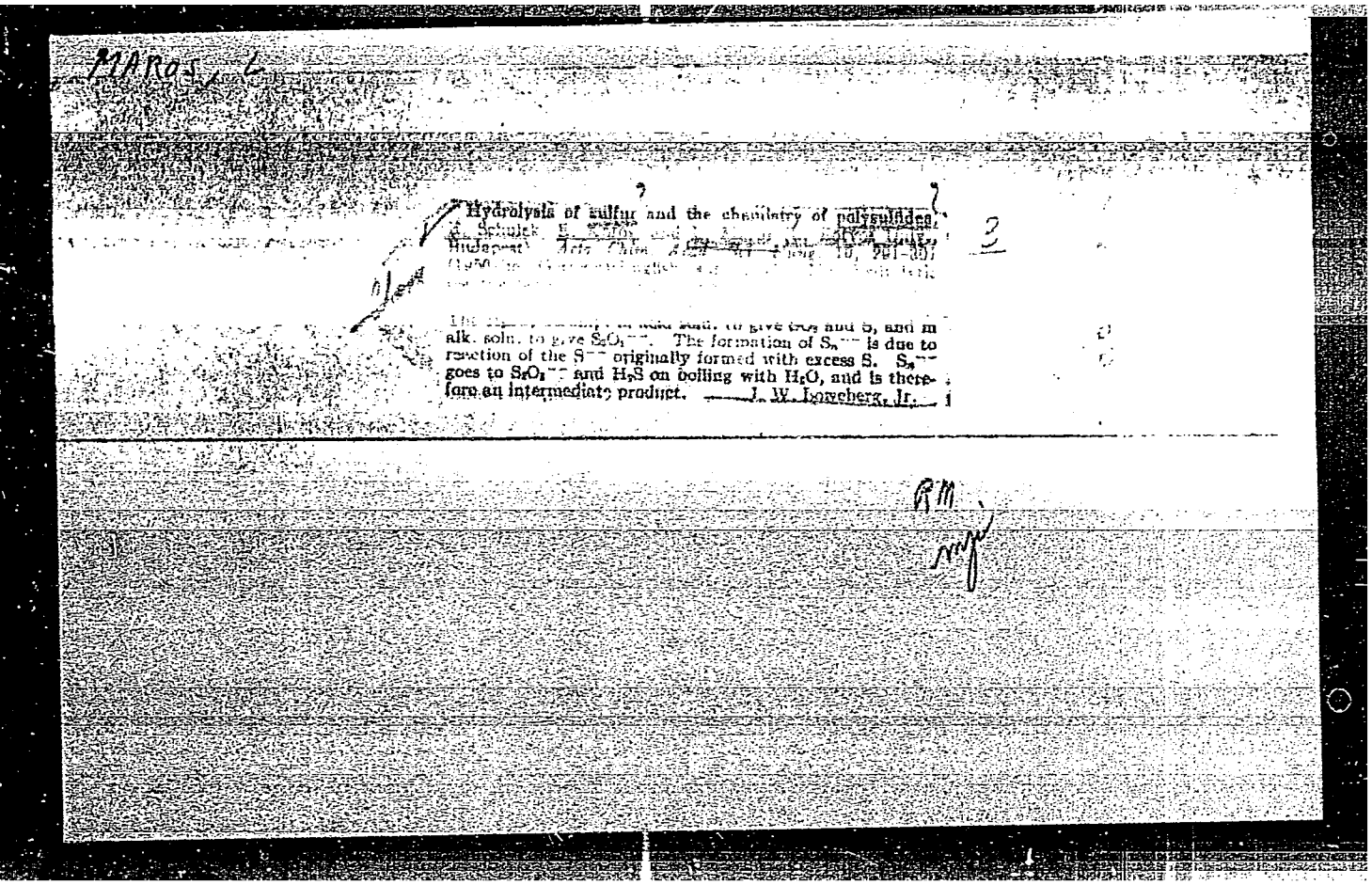

MARO-4-2

Hydrolysis of sulfur and the chemistry of polysulfides.
Schmidt
Hüdepohl

alk. soln. to give $S_2O_3^{--}$. The formation of S_n^{--} is due to reaction of the S^{--} originally formed with excess S. S_n^{--} goes to $S_2O_3^{--}$ and H_2S on boiling with H_2O, and is therefore an intermediate product. —J. W. Loveberg, Jr.

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19 **Investigation of exchange reactions with the radioactive sulfur isotope (S^{35}).** I. Endre Koros, László Maros, István Fehér, and Elemér Schulek. *Magyar Kém. Folyóirat* 63, 213-16(1956).—Various authors have investigated the exchange reaction with polysulfide (I) contg. S^{35} in hot soln. during decompn. with acid. Since in this case S also is pptd., the authors attempted the production of I in an O_2-free atm. without prolonged boiling, transforming the polysulfidic S into thiocyanate by means of KCN, or liberating H_2S by boiling with H_3BO_3, and prepd. $BaSO_4$ from this, after which the activity of the latter was measured. S^{35} was produced from methionine by way of $BaSO_4$. In the microapp. described I was formed within a few min. from Na_2S and S^{35} at low heat, and this was decompd. with KCN and H_3BO_3. The H_2S was boiled out, transformed into $BaSO_4$ by NH_4OH and H_2O_2, the thiocyanate was oxidized in the remaining soln. with Br_2, and $BaSO_4$ was formed. The activity was measured with consideration of the autoabsorption of $BaSO_4$. The S of I was completely exchanged. In addnl. expts. S was dissolved in abs. toluene and put into the test tube together with Na_2S. The Na_2S and the I formed are insol. in toluene; the decompn. showed that the exchange took place also in the solid phase. In the expts. sulfide and thiocyanate were in the soln. simultaneously, and an investigation was therefore made to discover whether a S exchange took place between them. This was not the case. Since in the presence of O_2 the sulfide forms thiosulfate easily, an investigation was made also to discover whether an exchange took place between the thiocyanate and the thiosulfate. These expts. also remained neg. From *C.Z.* 1958, 7057-8. F. X. G.

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H

HUNGARY/Chemical Technology. Pharmaceutics. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khim., No 24, 1958,82710.

Author : Schulek E., Maros L.
Inst :
Title : The Data of the Analysis of Some Methan Sulfoacid Derivatives. I. The Iodometric Determination of Novalgine and Melubrin in the Presence of Antipyrine and Pyramidone.

Orig Pub: Acta Pharmac. hung., 1957, 27, No 6, 237-242.

Abstract: No abstract.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

HUNGARY/Analytical Chemistry. General Questions.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42992.

Author : Schylek Elemer, Maros Laszlo
Inst :
Title : Data Relative to Analytical Chemistry of Dithionites.

Orig Pub: Magyar kem. folyoirat, 1957, 63, No 2-3, 61-67.

Abstract: A detailed review of literature relating to methods of determination of dithionite (I), thiosulfate (II), pyrosulfite (III) and sulfur dioxide (IV) (18 references). The authors have worked out a method for conjoint determination of I, II, III, IV (or sulfite (V)). The determination is based on the property of I to undergo disproportionation on heating in aqueous solution: $2S_2O_4^{2-} + H_2O = 2HSO_3^- + S_2O_3^{2-}$. The ion of I reacts with 6

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Abs Jour: Ref Zhur-Khim., No 13, 1958, 42992.

equivalents of iodine, while V and II. formed on disproportionation, combine with 2.5 equivalents of iodine. From two determinations it is possible to determine in addition to I also the total amount of II, III and I (or V). To determine the sum of reducing components, iodine is added to the weighed sample, and excess iodine is back-titrated with thiosulfate. For a second determination the weighed sample is added to boiled distilled water at 80-90°, a layer of paraffin is spread over the surface of the water, to prevent oxidation, and decomposition of I is carried out on a water bath. A sample of the solution is titrated with iodine. The described method permits a differential determination of

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Abs Jour: Ref Zhur-Khim., No 13, 1958, 42992.

of the decomposition products of I. III and IV are determined by titration with sodium hydroxide in the presence of thymolphthalein. Thereafter there are added to the solution a solution of AgNO$_3$ and hydrogen peroxide, the mixture is boiled and excess Ag^+ is precipitated with KCl. II is determined by titration of the sulfuric acid which is formed by the action of Ag^+ ions. By combining the data of all four determinations it is possible to determine the amounts of all the components, including those which were present inititally, as well as those formed on decomposition of I. For this purpose the authors provide the necessary formulas. Accuracy $\pm$ 0.5%.

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HUNGARY / Physical Chemistry. Kinetics. Combustion. B
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 24, 80725.

Author : Koros E., Maros L., Feher I., Schulek E.
Inst : Not given.
Title : Investigation of the Exchange Reactions Involving Radioactive Sulfur. I. Information Pertaining to Exchange of Sulfur Atoms in Polysulfides.

Orig Pub: Magyar kem. folyoirat, 1957, 63, No 8, 213-216.

Abstract: Previously published works on the atom exchange in polysulfides were thoroughly reviewed. A method of separation of sulfides from polysulfide ions is proposed. The components involved were converted into $BaSO_4$. Activities were determined with the use of G.-M. counters. An

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

HUNGARY / Physical Chemistry. Kinetics. Combustion. B
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 24, 1958, 80725.

Abstract: overall exchange (even in the solid phase) was observed in every experiment. A method of isolating elementary sulfur from the marked 35 is described. Exchange of sulfur atoms occurring between sulfides and thoicyanate as well as between thiocyanate and thiosulfate was studied. Its existence, however, could not be detected.

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Distr: 4E2c(j)

√ Analysis and chemistry of dithionites. Elemer Schulek and Laszlo Marosi (L. Eötvös Univ., Budapest). *Acta Chim. Acad. Sci. Hung.* 17, 273-88(1958)(in German); cf. *C.A.* 52, 12675a.—A method is presented for the detn. of dithionite (I), thiosulfate (II), pyrosulfite (III), and SO_3 (or SO_3^{--}) in the presence of each other. The basis of this method is the disproportionation of I into HSO_3^- and II when heated in water at 80–100°. Iodine consumption before disproportionation is governed by the equation $2S_2O_4^{--} + 2I_2 + 8H_2O = 4SO_4^{--} + 12I^- + 16H^+$ and after disproportionation by the equation $S_2O_3^{--} + 2HSO_3^- + 2.5I_2 + 3H_2O = 0.5S_3O_6^{--} + 2SO_4^{--} + 5I^- + 6H^+$. This permits the detn. of I and (II + III + SO_3 + SO_3^{--}). An acidimetric titration after disproportionation by using NaOH soln. and thymolphthalein indicator permits the detn. of III + SO_3. Treatment of the disproportionated dithionite soln. with $AgNO_3$ soln. and H_2O_2 permits the detn. of $S_2O_3^{--}$ + $S_3O_6^{--}$. The reaction here is $S_2O_3^{--} + 2Ag^+ + H_2O = Ag_2S + SO_4^{--} + 2H^+$. After removal of the excess $AgNO_3$ (with KCl) the soln. is titrated with NaOH soln. with methyl red as indicator. The procedure thus consists of two iodometric and two acidimetric titrations and permits the detn. of the various species present to ±0.5%. Whether there is SO_3 or SO_3^{--} present can be detd. from these titrations, but a differentiation of these species is not made. The authors give structural formulas for the most of the compds. The percentage of the various species from the titrations

Mark M. Jones

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MAROS, L.

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Analysis of aldehydes. I. Direct iodometric determination of formaldehyde and acetaldehyde as aldehyde bisulfites. E. Schulek and L. Maros (L. Eötvös Univ., Budapest). *Acta Chim. Acad. Sci. Hung.* 17, 369–75(1958)(in German).—CH_2O and AcH were detd. from a weighed sample by direct I titration. Into a 100-ml. measuring flask 0.4–0.5 g. CH_2O or 0.2–0.25 g. AcH was weighed, H_2O added to 100 ml., a 10-ml. aliquot treated with 3 ml. 5% $NaHSO_3$, and the soln. acidified with HOAc. Then 5 ml. C_6H_{12} was added to prevent air oxidation and loss of SO_2. After 10 min. for CH_2O and 20 min. for AcH, 10 drops of 1% starch soln. was added, and the excess sulfite titrated with 0.1*N* I. Then 3 ml. 20% NaOH and 2 ml. 20% KCN was added; after 3 min. the soln. was acidified with 20% HCl and titrated with slow stirring with 0.1*N* I. The quantity of I used is proportional to the aldehyde, which has an equiv. wt. of half its mol. wt. Results obtained with this method were in agreement with other methods, and the error was ±0.2%.
Claire Bluestein

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HUNGARY/Analytic Chemistry. Analysis of Organic Substances. E

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77366.

Author : Maros Laszlo.
Inst :
Title : Analysis of Bisulfite Compound of Formaldehide and Formaldehidesulfoxylate (Rongalite).

Orig Pub: Magyar kem. folyoirat, 1958, 64, No 2, 41-45.

Abstract: The bisulfite compound of formaldehide (I) can be determined by oxidation with iodine in alkaline medium and the determination of the excess of I_2 by thiosulfate. That method cannot be applied in the presence of CH_2O, because the producing hypoiodide oxidizes it. In such a case it is recommended to add KCN in an alkaline medium; the salt of glycolic acid and sulfite are produced in that case: CH_2CHSO_3

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HUNGARY/Analytic Chemistry. Analysis of Organic Substances. E

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77366.

+ OH^- = CH_2O + SO_3^{2-} + H_2O; CH_2O + CN^- + + H_2O = $H_2C(OH)CO^-$ + NH_3. After acidification with SO_3^{2-}, it is titrated with iodine. A little pentane is added in order to avoid the interfering effect of oxygen. In order to eliminate the reaction between CN^- and I_2, solid KI is added. That method can be used for the determination of I in rongalite (II) containing CH_2O besides I. In such a case, a part of the acetic solution is titrated with iodine in the presence of sodium acetate determining the concentration of II. The other part is analyzed as described above; in such a case, the consumption of I_2 for the titration corresponds to the total amount of I and II.

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E

HUNGARY / Analytical Chemistry. Organic Analysis.

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 82028

Author : Schulek, Elemir; Maros, Laszlo

Inst : Not given

Title : Analysis of Aldehydes. I. Iodometric Determination of Formaldehyde and Acetaldehyde as -Oxysulfonates (Bisulfite Derivatives of Aldehydes)

Orig Pub : Magyar kem. folyoirat, 1958, 64, No 12, 480-482

Abstract : A method for the determination of HCHO and CH_3CHO, based on the iodometric determination of sulfite formed by the decomposition of the aldehyde-bisulfite compound with cyanide, is described. To the aldehyde solution (0.4-0.5 g HCHO or 0.2-0.25 g CH_3CHO) Na_2SO_3 solution is added, and the liquid is covered by a

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Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 82028

layer of pentane to prevent action by the atmospheric O_2 and the loss of SO_2. The mixture is acidified with CH_3COOH, and after 10 minutes (HCHO) or after 20 minutes (CH_3CHO) the excess of sulfite is reacted with iodine NaOH and KCN solutions are added; after a few minutes, this is neutralized with HCl and titrated with 0.1 N. iodine solution. The accuracy is ± 0.2%. The advantages of the method can be attributed to the fact that oxidizers present and dissolved O_2 are tied up by excess of sulfite and do not interfere with the analysis. -- I. Krishtofori

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, L.; SOMLEK, E.

Newer data on the chemistry of polysulfides; dialytic investigations. I. [illegible].

KOZLEMENYEK. Magyar Tudomanyos Akademia. Kemiai Tudomanyok Osztalya. Budapest, Hungary. Vol. 11, no. 4, 1969.

Monthly List of East European Accession (EEAI), LC, Vol. 9, no. 2, Feb. 19[illegible]

Uncl.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, L.

Contributions to the analysis of formaldehyde bisulfite and formaldehyde sulfoxylate (rongalite). p.57

ACTA CHIMICA. Budapest, Hungary. Vol. 19, no. 1, 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

Distr: 4E3d 1

Analysis of 1,2-glycols and polyoxy compounds. I. Direct iodometric determination of ethylene glycol, glycerol, and mannitol through formaldehyde formed from these compounds by oxidation with periodate. L. Maros and E. Schulek. *Acta Chim. Acad. Sci. Hung.* 20, 353–64(1959)(in German).—Ethylene glycol, glycerol, and mannitol are oxidized by HIO_4, forming 2 moles of HCHO. The latter is converted into the bisulfite by addn. of H_2SO_3, which also destroys excess oxidant. The excess H_2SO_3 is removed and the formaldehyde bisulfite is decompd. by addn. of KCN. The liberated H_2SO_3 is measured by iodometry.

M. Hatlwer

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, L.; SCHULEK, E.

Contributions to the analysis of 1, 2-glycols and polyoxy compounds II. Direct iodometric determination of tartaric acid in the presence of citric acid through a bisulfite compound of glyoxylic acid. In German. p. 443

ACTA Chimica. (Magyar Tudomanyos Akademia) Budapest, Hungary. Vol. 20, no. 1, 1959

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960 Unclass

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, L.; SCHULEK, E.

Contributions to the analysis of 1, 2-glycols and polyoxy compounds, III Direct iodometric determination of glucose through the aldehydes formed during oxidation with periodic acid. In German. p. 91.

ACTA CHIMICA. (Magyar Tudomanyos Akademia) Budapest, Hungary. Vol. 21, no. 1, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

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C

COUNTRY : Hungary
CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 85671

AUTHOR : Harsa, L.; Horak, L.; Peter, L.; Szabo, E.
INST. :
TITLE : Study of Exchange Reactions with Radioactive Isotope of Sulfur S35. II. Investigation of the Structure of Dithionite.
ORIG. PUB. : Magyar Kem. Folyoirat, 1958, 64, No 2, 58-62

ABSTRACT : By means of radioactive isotope S35 a study is made of the question concerning disparity of S atoms in dithionite-ion. The reaction $ZnS^*O_3^{2-} + SO_2 + H_2O \longrightarrow S^*SO_4^{2-} + Cl_2 + SO_3^{2-} + H_2O$ was used to obtain $S^*SO_4^{2-}$ ions which were subsequently transformed to $NaS^*O_3^-$ and $Na_2S^*O_3$. Then, activity of sulfur was determined in $NaS^*O_3^-$ and Na_2S, obtained by precipitation with silver from solutions containing $S_2^*O_3^{2-}$ ions. Since specific activity of both sulfite and sulfur in the ion, it is concluded that in dithionite-ion both sulfur atoms are equivalent.
Communication I see RZKhim, 1958, No 24, 80729.
Yu. Marfunin.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

SCHULEK, Elemer; MAROS, Laszlo

Data on the anlytic chemistry of aldehydes. Pt. 2. Magy kem folyoir 65 no. 5:195-197 My '59 .

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitkai Kemiai Intezete, Budapest.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, LASZLO

Maleate-fumarate isomerization during the preparation of polyglycol maleates. Effects of isomerization on copolymerization reactivity. Ibolya Vancsó and Mrs. László Maros (Műanyagipari Kutató Intézet, Budapest, Hung.). *Magyar Kém. Folyóirat* 65, 280–1(1959).—The effect of various factors on maleate-fumarate isomerization was studied by using the polarographic method of Feuer, *et al.* (*C.A.* 48, 12459b). Diethylene glycol-maleic anhydride polycondensates were used in the expts. The resin was decompd. by cold sapon. and polargrams were prepd. from the resulting aq. solns. An NH_4OH–NH_4Cl buffer soln. at pH 8.1 was used as standard. The effect of the degree of isomerization on the copolymerization was followed by measuring the enthalphy changes of the reacting monomers with a derivatograph (cf. Paulik, *et al.*, *C.A.* 52, 13325f) and by measuring the contraction of the mixt. with a Hg-dilatometer (Schulz and Harborth, *C.A.* 41, 5752c). This procedure was found to be suitable for following the progress of the copolymerization.

G. J. Ernyei

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Distr: 4E3d

The analysis of 1,2-glycols and polyoxy compounds. László Maros and Elemér Schulek (Rötvös Loránd Univ., Budapest, Hung.). *Magyar Kém. Folyóirat* 65, 361-3 (1959).—Polyalcs. are oxidized by periodic acid, and the HCHO formed is measured directly with a H_2S-KCN-iodometric system. The method gives 88.1–88.3% accuracy for ethylene glycol, 96.3–96.5% for glycerol, and 99.2–99.4% for mannitol. The advantage of having only one exact volumetric soln., and the usefulness in solns. of any pH are stressed. The method can be used in the presence of oxidizing and reducing agents. Peter M. Baraa.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest); SCHULEK, Elemer, prof., dr. (Budapest)

Contributions to the analysis of 1,2-glycols and polyoxy compounds. IV. Direct iodometric determination of fructose through aldehyde formed during the oxidation by periodic acids. Acta chimica Hung 22 no.3:359-365 '60. (EEAI 9:11)

1. Institute for Inorganic and Analytical Chemistry, Lorand Eotvos University, Budapest.
(Glycols) (Iodometry) (Fructose)
(Aldehydes) (Periodic acids)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest); MOLNAR-PERL, I. (Mrs.) (Budapest); SCHULEK, Elemer, prod., dr. (Budapest)

Determination of periodate through formaldehyde formed at the oxidation of ethylene glycol. Acta chimica Hung 22 no.4:475-478 '60. (EEAI 10:2)

1. Institute for Inorganic and Analytical Chemistry, Lorand Eotvos University, Budapest.
(Periodates) (Formaldehyde) (Ethylene glycol)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest VIII, Museum korut 4/b); MOLNAR-PERL, I.(Mrs) (Budapest VIII, Museum korut 4/b); SCHULEK, Elemer, prof., dr. (Budapest VIII, Museum korut 4/b)

Contributions to the analysis of 1,2-glycols and polyoxy compounds. V. Determination of glyceryl aldehyde through formaldehyde formed during the oxidation by periodate. Acta chimica Hung 24 no.1:67-72 '60. (EEAI 10:4)

1. Institute of Inorganic and Analytical Chemistry L.Eotvos University, Budapest.

(Glycols) (Glyceraldehyde) (Aldehydes)
(Hydroxy compounds) (Formaldehyde) (Cyanides)
(Sulfites) (Periodates) (Periodic acids)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest VIII, Muzeum korut 4/b); MOLNAR-PERL, I.(Miss) (Budapest VIII, Muzeum korut 4/b); SCHULEK, Elemer, prof., dr. (Budapest VIII, Muzeum korut 4/b)

Oxidation with periodates I. Determination of serine and threonine on the basis of aldehydes and ammonia developed during the oxidation with periodates. Acta chimica Hung 24 no.2:213-223 '60. (EEAI 10:4)

1. Institute of Inorganic and Analytical Chemistry, L.Eotvos University, Budapest.

(Formaldehyde) (Periodates) (Serine) (Threonine)
(Ammonia) (Acetaldehyde) (Acetic acid)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; SCHULEK, Elemer

Data on the analytical chemistry of glycol and polyoxy compounds. III. Direct iodometric determination of glucose through aldehyde formed during the oxidation of periodates. Magy kem folyoir 66 no 4:147-149 Ap'60.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MARCS, Laszlo; SCHULEK, Elemer

Data on the analytical chemistry of 1,2-glycol and polyoxy compounds. IV. Direct iodometric determination of fructose through aldehyde occurring during a periodate oxidation. Magy kem folyoir 66 no.5:197-199 My '60.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; PERLNE MOLNAR, Ibolya; SCHULEK, Elemer

Periodate oxidation. I. Determination of serine and threonine through aldehydes and ammonia formed during the periodate oxidation. Magy kem folyoir 66 no.8:321-324 Ag '60.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; PERLNE Molnar, Ibolya; SCHULEK, Elemer

Data on the analytical chemistry of 1,2-glycols and polyoxy-compounds.V.Determination of glycerinaldehyde through formaldehyde formed through periodate oxidation. Magy kem folyoir 66 no.8:319-321 Ag '60.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; PERLNE Molnar, Ibolya; SCHULEK, Elemer

Determination of periodate through formaldehyde originating during the oxidation of ethylene glycol. Magy Kem folyoir 66 no.9:342-34[illegible] S '60.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo (Budapest)

An account of my study trip to the German Democratic Republic. Kem tud kozl MTA 15 no.4:465-466 '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Tanszeke, Budapest.

(Germany, East—Chemical apparatus)
(Germany, East—Chemistry, Inorganic)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; PERLNE Molnar, Ibolya; SCHULEK, Elemer

Periodate oxidations. II. Determination of ethanolamine and ethylenediamine through formaldehyde and ammonium formed during the oxidation of periodates. Magy kem folyoir 67 no.2: 203-206 My '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Tanszeke, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; SCHULEK, Elemer; PERLNE MOLNAR, Ibolya; SZAKACSNE PINTER, Margit

Determination of carbon dioxide by quick distillation and titrimetry.
Magy kem folyoir 67 no.11:501-505 N '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai-Kemiai Tanszeke, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; PERLNE MOLNAR, Ibolya; SCHULEK, Elemer

Data on the analytical chemistry of 1,2-glycols and polyoxy-compounds. VI. Determination of aldonic acids and saccharinic dicarbonic acids through carbon dioxide formed during periodate oxidation; determination of aldonic acids and saccharinic dicarbonic acids in presence of each other. Magy kem folyoir 67 no.12:527-531 D '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen- es Analitikai-Kemiai Tanszeke, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; SZAKACSNE PINTER, Margit; SCHULEK, Elemer

Determination of formic acid (formate) through carbon dioxide formed during mercury (II) chloride oxidation. Magy kem folyoir 67 no.12: 531-532 D '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen- es Analitikai-Kemiai Tanszke, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; SZAKACSNE PINTER, Margit; PERLNE MOLNAR, Ibolya; SCHULEK, Elemer

Quick method for determining all the carbon dioxide content of waters. Magy kem folyoir 67 no.12:533-535 D '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen- es Analitikai-Kemiai Tanszeke, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest VIII., Muzeum korut 4/b); MOLNAR-PEREL, I, dr. (Budapest VIII., Muzeum korut 4/b); SCHULEK, Elmer, prof.,dr. (Budapest VIII., Muzeum korut 4/b)

Periodate oxidation. II Determination of ethanolamine and ethylene diamine with the aid of formaldehyde and ammonia formed by periodate oxidation. Acta chimica Hung 30 no.2:119-126 '62.

1. Institut fur anorganische und analytische Chemie der L.Eotvos Universitat. 2. Editorial board member, "Acta Chimica Academiae Scientiarum Hungaricae" (for Schulek).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest VIII., Muzeum korut 4/b); PINTER-SZAKACS, M., dr. (Mrs) (Budapest, VIII., Muzeum korut 4/b); MOLNAR-PERL, I., dr. (Mrs) (Budapest, VIII., Muzeum korut 4/b); SCHULEK, Elemer, Prof., dr. (Budapest, VIII., Muzeum korut 4/b)

Quick method for determining the total content of carbon dioxide in waters. Acta chimica Hung 33 no.1:59-65 '62.

1. Institut fur Anorganische und Analytische Chemie der Lorand Eotvos Universitat, Budapest. 2. Mitglied, Redaktionskollegium, "Acta Chimica Academiae Scientiarum Hungaricae" (for Schulek).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; SZAKACSNE PINTER, Margit; SCHULEK, Elemer

Determination of organic substances in aqueous solution by complete oxidation. I. Distillation and titrimetric method for measuring carbon dioxide formed during the complete oxidation of organic substances. Magy kem folyoir 68 no.5:213-215 My '62.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Tanszeke, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; ZSINDELY, Sandor

Determination of organic compounds in aluminate alkalies. Magy kem folyoir 68 no.8:357-359 Ag '62.

1. Eotvos Lorand Tudomanyegyetem Szervetlen- es Analitikai-Kemiai Tanszeke, Budapest, es Femipari Kutato Intezet.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest, VIII., Muzeum korut 4/b); MOLNAR-PERL, I., dr. (Frau) (Budapest, VIII., Muzeum korut 4/b); SCHULEK, Elmer, prof., dr. (Budapest, VIII., Muzeum korut 4/b)

Contributions to the analysis of 1,2-glycols and polyoxy compounds. VI. Acta chimica Hung 35 no.1:1-12 '63.

1. Institut fur Anorganische und Analytische Chemie der L. Eotvos Universitat, Budapest. 2. Mitglied, Redaktionskollegium, "Acta Chimica Academiae Scientiarum Hungaricae" (for Schulek).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest, VIII., Muzeum Korut 4/b); ZSINDELY, Sandor (Budapest, VIII., Muzeum korut 4/b)

Determination of the content of organic compounds in aluminate liquors. Acta chimica Hung 35 no.2:137-146 '63.

1. Institut fur Anorganische und Analytische Chemie der L.Eotvos Universitat,Budapest,und Forschungsinstitut fur NE-Metalle,Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo; PERLNE MOLNAR, Ibolya; VAJDA, Miklos; SCHULEK, Elemer

Analytical application of carbon dioxide-distillation. Pt.2.
Magy kem folyoir 69 no.3:123-127 Mr '63.

1. Eotvos Lorand Tudomanyegyetem Szervetlen- es Analitikai-Kemiai Tanszeke, Budapest.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr.; PERL-MOLNAR, Ibolya, dr. (Mrs.); SZAKACS-PINTER, Margit, dr. (Mrs); SCHULEK, Elemer, prof.,dr.

Oxidations by periodate. Pt.3. Acta chimica Hung 40 no.4: 379-385 '64.

1. Institut fur Anorganische und Analytische Chemie der Lorand Eotvos Universitat, Budapest, VIII., Muzeum korut 4/b.
2. Mitglied, Redaktionskollegium, "Acta Chimica Academiae Scientiarum Hungaricae" (for Schulek).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Laszlo, dr. (Budapest, VIII., Muzeum korut 4/b); SZAKACS-PINTER, Margit, dr. (Mrs) (Budapest, VIII., Muzeum korut 4/b)

Determination of ethanol and methanol, acetaldehyde and formaldehyde in presence of each other. Acta chimica Hung 41 no.1/2:123-132 '64.

1. Institut fur Anorganische und Analytische Chemie der Lorand Eotvos Universitat, Budapest.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

L 63678-65

ACCESSION NR: AT5021748 HU/2502/64/041/01-/0123/0132

AUTHOR: Maros, Laszlo(Marosh, L.)(Doctor)(Budapest); Szakacs-Pinter, Margit (Sakach-Pinter, M.)(Doctor)(Budapest)

TITLE: Determination of ethyl alcohol, methyl alcohol, acetaldehyde, and formaldehyde in the presence of each other

SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 41, no. 1-2, 1964, 123-132

TOPIC TAGS: acetic acid, oxidation, titrimetry, ethyl alcohol, methyl alcohol, acetaldehyde, formaldehyde, chemical detection

ABSTRACT: [German article] In the method described, the acetic acid formed on oxidation is separated by steam distillation and determined titrimetrically. It enables the accurate determination of small quantities of ethyl alcohol and acetaldehyde in the presence of considerable excess methyl alcohol, formaldehyde, and formic acid. For the determination of acetaldehyde in the presence of excess ethylene glycol there was also a method de-

Card 1/2

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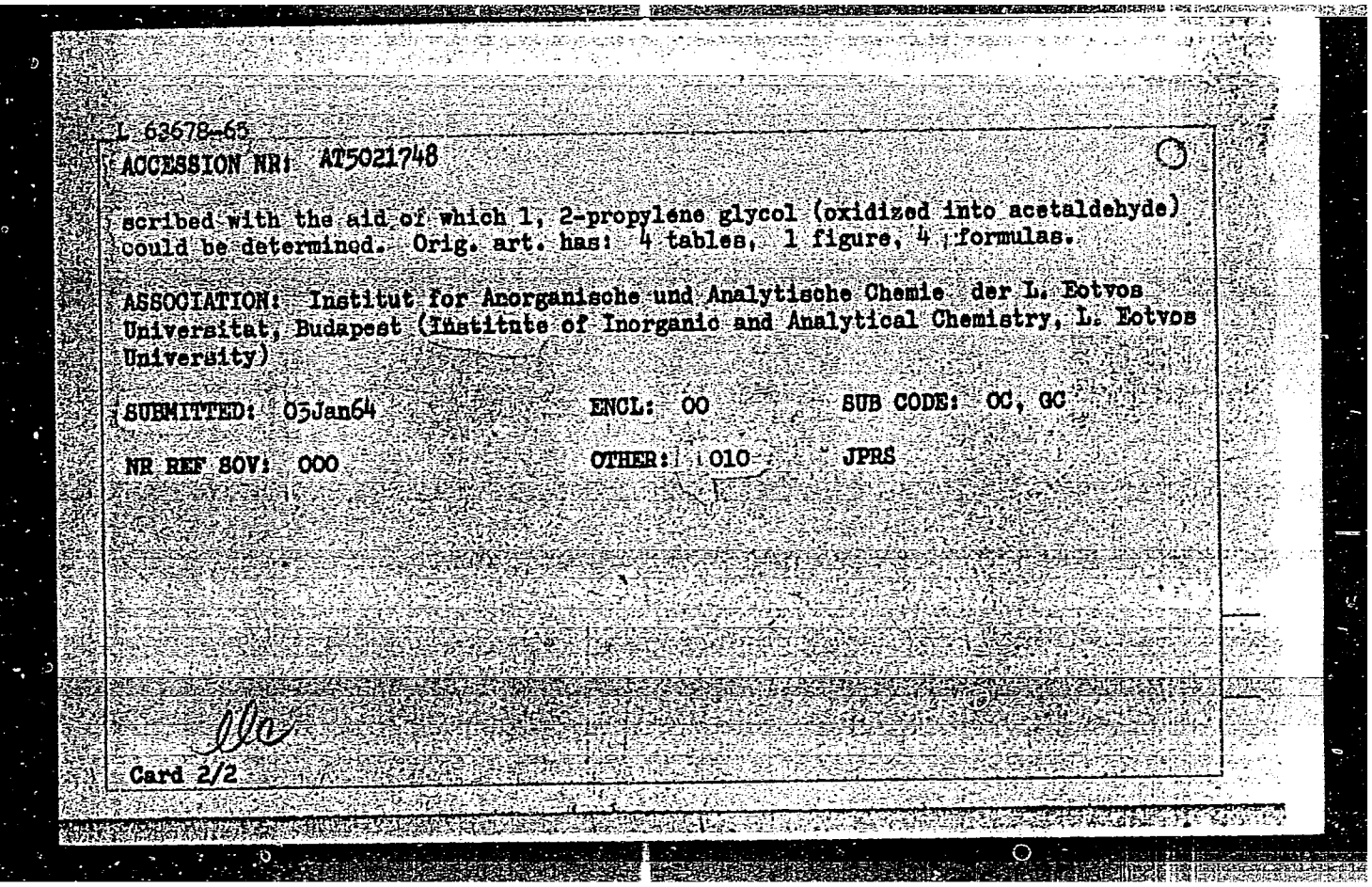

L 63678-65
ACCESSION NR: AT5021748

scribed with the aid of which 1, 2-propylene glycol (oxidized into acetaldehyde) could be determined. Orig. art. has: 4 tables, 1 figure, 4 formulas.

ASSOCIATION: Institut for Anorganische und Analytische Chemie der L. Eotvos Universitat, Budapest (Institute of Inorganic and Analytical Chemistry, L. Eotvos University)

SUBMITTED: 03Jan64 ENCL: 00 SUB CODE: OC, GC

NR REF SOV: 000 OTHER: 010 JPRS

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

L 38654-66 EWP(j) RM

ACC NR: AP6027648 SOURCE CODE: HU/0005/66/000/004/0149/0152

AUTHOR: Maros, Laszlo; Szakacsno, Pinter Margit

ORG: Department for Inorganic and Analytical Chemistry, Eotvos Lorand Scientific University, Budapest (Eotvos Lorand Tudomanyegyetem Szervetlen- es Analitikai-Kemiai Tanszeke)

TITLE: Analytical applications of the bromine-oxidation of organic compounds. Part 1: Determination of p-phenylene diamine and its N-alkylated derivatives through quinones

SOURCE: Magyar kemiai folyoirat, no. 4, 1966, 149-152

TOPIC TAGS: oxidation, bromine, quinone, hydrolysis, ammonia, phenol

ABSTRACT: It was shown that the p-phenylene diamine and its N-alkylated derivatives can be determined by measuring the quinones or quinone derivatives formed in bromine oxidation. Bromine, in an acid solution, oxidizes these compounds to form quinone diimides which in turn hydrolyze to form quinone and ammonia. After removing any excess bromine from the reaction system with phenol, the quinone is determined iodometrically. The determination may also be effected by measuring the ammonia (or alkylamine) formed. Orig. art. has: 6 formulas and 7 tables. [JPRS: 36,464]

SUB CODE: 07 / SUBM DATE: 23Jul65 / ORIG REF: 002 / OTH REF: 003

Card 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tiberiu

MAROS, Tiberiu, Conf.; MAGY, Francisc, Asist.; KERKES, Mudard, Asist.; WAITSUK, Paul, dr.

Clinical and experimental studies of correlation of the neuro-endocrine system with liver function. Med. int., Bucur. 7 no. 4:148-149 Oct-Dec 55.

1. Instit. medico-farmaceut. Tg. Mures.
(LIVER, physiol.
relation to hypothalamo-hypophysial funct.)
(HYPOTHALAMUS, physiol.
hypothalamo-hypophysial funct., relation to liver funct.)
(PITUITARY GLAND, physiol.
(SAME)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

1002. THE INNERVATION OF TUMOURS - Adatok a daganatok beidegzésének kérdéséhez - Maros T., Lázár L. and Zakariás Z. Marosvásárhelyi Anat. és Sebészeti Műtéttani Tanszék Közl. - ORV.SZLE 1957, 3/4-5 (5-10) Illus. 9

A personal impregnation technique was applied to 56 human tumours. No nervous elements whatsoever were found in benign tumours, nor could nerves be found in the tumour tissue in case of expansive growth of malignant tumours. The infiltratively growing tumours contain nerves - in varying amounts - which always belong to the basic tissue and are completely independent of the tumour tissue. These pre-existing nerve fibres show degenerative and sometimes even regenerative symptoms. The findings of the authors are therefore clearly opposed to the idea of a 'specific innervation of tumours'. Szinay - Budapest (V, 16)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

EXCERPTA MEDICA Sec 18 Vol. 2/7 Cardio July 58

2030. *Anomalies of development in the arterial system encountered in material comprising 150 cadavers* MAROS T. and LÁZÁR L. Dept. of Anat. and Surg., Med. Pharmaceut. High Sch., Marosvásárhely (Tirgu Mures, Roumania) *Acta morph. Acad. Scient. hung. (Budapest)* 1957, 7/4 (407—422) Illus. 17

The gross arterial anomalies, as observed in the dissection of 150 cadavers preserved in formalin and for the greater part derived from mental hospitals, are described in detail. The malformations are grouped according to the vascular areas in which they occurred. This article is also of interest for surgeons. It should be read in full.

Hambach – Jihlava (V, 1, 9, 18)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS 1

EXCERPTA MEDICA Sec 5 Vol.11/8 Gen.Pathology Aug 58

1869. HISTOLOGICAL OBSERVATIONS REGARDING THE NERVES OF TUMOURS - Histologische Beobachtungen im Zusammenhang mit den Nerven der Geschwülste - Maros T., Lázár L. and Zakariás Z. Hochsch. für Med. und Pharmakol., Marosvásárhely - ACTA MORPH. ACAD. SCIENT. HUNG. (Budapest) 1957, 7/4 (449-463) Illus. 15

The innervation of 52 benign, malignant and neurogenic tumours was examined. In benign tumours no nervous fibres were observed. Of the malignant tumours only a few gastric carcinomas contained nervous elements. Histological examination of 14 neural tumours revealed the presence of nerve fibres in only 3 glioblastomas; meningiomas, ganglioneuromas and carcinomatous metastases did not contain nerves.

Juhász - Budapest (V, 16)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, T., Conf.; URIAN, Letitia, dr.; KEMENY, B., dr.; LUKACSY, I., dr.; ABRAHAM, A., chimist.

Changes in dysproteinemia tests in certain mental and neurological disorders. Med. int., Bucur. 9 no.2:210-219 Feb 57.

1. Lucrare efectuata la Catedra de anatomie-embriologie si medicina operatoare a I.M.F. din Tg. Mures (conducator, conf. T. Maros) a Sectiei de boli nervoase a Spitalului unificat din Tirnaveni (conducatoare, dr. Letitia Urian) si a Catedrei de chimie biologica a I.M.F. din Tg. Mures (conducator, conf. A. Kovacs).

(LIVER FUNCTION TESTS, in various diseases
cadmium reaction, thymol, Takata-Ara & Weltmann tests in ment. & neurol. dis.)
(MENTAL DISORDERS, physiology
liver funct. tests)
(BLOOD PROTEINS, in various diseases
ment. & neurol. disord., causing changes in dysproteinemia tests)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, T.; NEBEL, L.; MESTER, T.; KAPITANY, A.; SZENTKIRALYI, A.

Effects of decortication and deconnection (largactil treatment) on the estrus cycle of white rats. Kiserletes orvostud. 10 no.4:405-410 Aug 58.

1. Orvostudomanyi es Gyogyszereszetu Felsookiatasi Inetzet Anatomiai es Sebezeti Mutettani Tanszeke, Marosvasarhely (Targu-Mures) Romania.

(ESTRUS CYCLE, physiol.
eff. of decortication & prolonged chlorpromazine admin. in rats (Hun))
(CEREBRAL CORTEX, physiol.
eff. of decortication on estrus cycle in rats (Hun))
(CHLORPROMAZINE, eff.
prolonged admin. on estrus cycle in rats (Hun))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS T.

EXCERPTA MEDICA Sec 5 Vol 12/3 Gen. Path. Mar 59

890. ALTERATIONS OF THE GLIA CELLS AND OF THE GLIAL REACTION IN CASES OF EXPERIMENTAL HEPATIC LESIONS - Gliazellveränderungen und Modifikation der Gliareaktion bei experimentellen Leberschädigungen - Maros T., Nagy B. and Kelemen J. Anat. Inst. der Med. Hochsch., Tirgu-Mures, Rumänien - NATURWISSENSCHAFTEN 1958, 45/4 (92-93) Illus. 1

Nine dogs were subjected to ligation of the common bile duct causing cirrhosis; 3-4 months after this operation, the sigmoid gyrus was damaged unilaterally by electric cautery. The test animals and the controls were sacrificed some 3-4 months later. Both sigmoid gyri were treated by Cajal's sublimate-gold chloride-impregnation technique. In the dogs with cirrhosis, the cerebral cortex and the underlying white matter showed progressive alterations of macroglial cells, (hyperplasia and hypertrophy), particularly in the vicinity of the induced lesion. There were also numerical differences: the cirrhotic animals presented a distinct increase of the glial cells. Throughout these investigations only the macrogiial cells were taken into account. Histologically, the cirrhotic animals exhibited a granular structure of the scar area, whereas this area showed a more fibrillary tissue in the controls. The alterations observed are interpreted as due to a direct action of hepatic toxins on the CNS, with special reference to ammonia.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

1948. HISTO-PATHOLOGICAL ALTERATIONS OF THE NERVOUS ELEMENTS OF THE GALLBLADDER IN CASES OF INFLAMMATION AND OF LITHIASIS - Histo-pathologische Veränderungen der Nervenelemente der Gallenblase bei Entzündungen und Stein-Erkrankungen - Maros T. and Lázár L. Inst. für Anat. und Chir. Operationslehre, Med. Univ. Tirgu-Mures, Rumänien - ZBL. ALLG. PATH. PATH. ANAT. 1958, 98/3-4 (161-166) Illus. 4

Twenty gallbladders were subjected to histological study. On the basis of the morbid-anatomical findings the material was subdivided into 3 groups: chronic cholecystitis, chronic cholecystitis with cholelithiasis, and atonic, atrophic gall-bladders. In the cases of chronic cholecystitis without significant abnormalities of the anatomical structure, there were only slight, reversible alterations of the nervous elements in the oedematous regions. In cases with profound anatomical alterations irreversible hypertrophic neuromatous formations were found, which can be regarded as the cause of the pain and functional disturbances accompanying chronic cholecystitis and cholelithiasis. Chronic inflammations which further destroy the gallbladder terminate in a cicatricial process of restoration which may be associated with total destruction of the nervous elements of the submucosal layer and simultaneously leads to functional denervation of the organ. The painful sensations can be explained by the fact that in the submesothelial layer there still remain a number of nervous elements which are less severely damaged and still function. In dyskinetic affections of the gallbladder and bile ducts with atonic gall-bladder extensive nervous lesions can be observed. Horn - Brno

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

EXCERPTA MEDICA Sec 6 Vol 14/6 Internal Med. June 60

3663. MORPHOLOGICAL ASPECTS OF ENTEROGENOUS HEPATOPATHY - Aspectele morfologice ale hepatopatiilor enterogene - Maros T., Pápay Z., Szabó A. and Biró F. - PROBL. TER. (Bucureşti) 1959, 10/2 (69-77) Tables 3 Illus. 4

Morphological modifications of the liver are studied in ulcerous disease, gastric neoplasms, and inflammations of the bile ducts and the appendix. In ulcer patients and those with gastric neoplasm, the appearance of fatty degeneration in the liver and cellular reactions in Kiernan's space were noted. In affections of the bile ducts, modifications of the hepatic parenchyma are more serious and difficult to reverse. Besides the direct action of the pathological process, factors of nervous origin are considered to have a certain role in the inception of these secondary hepatic lesions.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tibor; KOVACS, Endre; MODY, Jeno; LAZAR, Laszlo

Changes in protein fractions of the blood following partial excision of the cerebral cortex and in lesions of certain regions of the central nervous system (hypothalamus, reticular formation). (Data on the problem of the regulation of protein metabolism by the central nervous system). Preliminary communication. Ideg.szemle 12 no.10:294-300 O '59.

1. A Roman Nepkoztarsasag Akademiaja Marosvasarhelyi (Tirgu-Mures) Kutatoallomasa Idegszovettani Laboratoriumanak (Vezeto: Dr. Maros Tibor eloado-tanar) es Biokemiai Laboratoriumanak (Vezeto: Dr. Kovacs Endre eloado-tanar) kozlemenye.
(BLOOD PROTEINS)
(CEREBRAL CORTEX physiol)
(HYPOTHALAMUS physiol)
(BRAIN STEM physiol)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSH, Tibor [Maros, T.]; KELEMEN, Iozhef [Kelemen,J.]; NAD', Bela [Nagy,B.]; ABRAKHAM SHANDOR (Tyrgu-Muresh)

Effect of transplanting separate pieces of the liver into the abdominal cavity and central nervous system (data on the mechanism of formation of symptoms in the nervous system in hepatic insufficiency). Arkh. pat. 21 no.10:39-45 '59. (MIRA 14:8)

1. Iz kafedry topograficheskoy anatomii i operativnoy khirurgii (zav. - prof. Marosh Tibor) i kafedry biokhimii (zav. - prof. Kovach Endre) Mediko-farmatsevticheskogo instituta g. Tyrgu-Muresh, Rumynskaya Narodnaya Respublika.
(LIVER--TRANSPLANTATION) (BRAIN) (ABDOMEN)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

LASAR, L.; ~~MAROS, T.;~~ KREPS, I.

Structural changes of the nerve fibers and endings under the influence of roentgen rays. Rev. sci. med. 5 no.3/4:195-198 '60.
(PERIPHERAL NERVES radiation eff.)
(RADIATION EFFECTS experimental)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tibor; SERES STURM, Lajos; CSIKY, Miklos; KOVACS, V.Ibolya

Effect of intraperitoneal administration of oxygen on liver regeneration. Kiserletes Orvostudomany 12 no.1:40-44 F '60.

1. Marosvasarhelyi Orvostudomanyi es Gyogyszereszeti Felsooktatasi Intezet Anatomiai es Sebeszeti Mutettani Tanszeke.
(LIVER physiol)
(OXYGEN eff)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tibor; KOVACS, V. Ibolya; SERES-STURM, Lajos; CSIKY, Miklos

Comparative studies on liver-regeneration properties of certain liver-protective drugs. Kiserletes Orvostud. 12 no.2:182-188 Ap '60.

1. A Marosvasarhelyi Orvostudomanyi es Gyogyszereszeti Felsooktatasi Intezet Anatomiai es Sebeszeti Mutettani Tanszeke.
(LIVER physiol.)
(REGENERATION)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, T.; NEKEL, L.; ZAKARYAS, Z.; MESAROS, I.

Plastic replacement of the ureter with a fallopian tube; experimental investigation. Urologiia 25 no.2:7-11 Mr-Ap '60. (MIRA 13:12)
(URETERS—SURGERY) (FALLOPIAN TUBES—TRANSPLANTATION)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tiberiu; KOVACS, Andrei; MODI, Eugen; LAZAR, Ladislau

Changes in the protein fractions of the blood consequent upon partial decortication and injury of nerv structures in the brain stem. Rumanian M Rev. no.1:182-185 Ja-Mr '61.

1. The Chair of Human Anatomy and Surgical Medicine (Head of the team: Assist. Prof. Tiberiu Maros) and the Chair of Biological Chemistry (Head of the team: Assist. Prof. Andrei Kovacs) of the Medicopharmaceutical Institute, Tg. Mures).
(BRAIN STEM physiology) (BLOOD PROTEINS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tiberiu; KELEMEN, Iosif; NAGY, Bela; ABRAHAM, Al.

Contributions to the knowledge of the mechanism of production of nervous phenomena in hepatic insufficiency. Rev. sci. med. 6 no.3/4: 165-168 '61.

(LIVER DISEASES complications) (NEUROLOGIC MANIFESTATIONS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS TIBERIU

SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: Department of Surgical Anatomy-Medicine (Catedra de Anatomie-Medicina Operatorie), Tg. Mures; Department Head: Tiberiu MAROS, -Conf.- , and Department of Analytical Chemistry (Catedra de Chimie-Analitica), Tg. Mures; Department Head: Paul SOOS, -Conf.- of the Medico-Pharmaceutical Institute (Institutul Medico-Farmaceutic), Tg. Mures.

Source: Bucharest, Igiena, Vol IX, No 4, Sep-Oct 1961, pp 333-337.

Data: "A Stimulating Factor of Hepatitic Regeneration in a Coal Mine."

Authors:

MAROS, Tiberiu, -Conf.- (lecturer)
CSIKY, Nicolae, -Dr.-
FEJER, Ladislau, -Dr.-
KOVACS, Virginia V., -Dr.-
BLAZSEK, Agneta, -Chemist.-
KATONAI, Bela, -Dr.-

GPO 981643

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tibere, dr.; CSIKY, Nicolas, dr.; SERES-STURM, Louis, dr.; MATHE, Guillaume, dr.

Effect of medical hibernation on the morphologic lesions caused by heart massage. Cs morfologie 9 no.4:431-437 '61.

1. Chaire d'Anatomie et de Chirurgie Operatoire de l'Institut Medico-Pharmaceutique de Tirgu-Mures, Roumanie. Chef: Maitre de conferences dr. Tibere Maros.

(HEART)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSH, T. [Marog, T.]; LAZAR, L. (g. Tyrgu-Muresh)

Effect of largactil on the structure of the myelin sheaths of the peripheral nerves. Arkh.pat. no.7:60-62 '62. (MIRA 15:9)

1. Filial Akademii nauk Rumynskoy Narodnoy Respubliki (dir. - akad. D. Mishkol'tsi) g. Tyrgu-Muresh, Rumyniya.
(CHLORPROMAZINE) (NERVES, PERIPHERAL)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSH, T. [Maros,T.]; MATLHE,V. [Matlhe,V.]; RETHEI,K. [illegible]

Change in the reactivity of connective tissue after burns. (MIRA 16:1)
Arkh. pat. 24 no.12:50-54 '62

1. Iz kafedry anatomii i operativnoy khirurgii (zav. - prof. T. Marosh) Mediko-farmatsevticheskogo instituta g. Tyrgu-Muresh, Rumyniya.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

LAZAR, Ladislau; MAROS, Tiberiu

Contribution to the functional significance of in the incisures of Schmidt-Lantermann. Rev. sci. med. 7 no.1/2:51-54 '62.
(MYELIN SHEATH) (NEURONS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, T.; LAZAR, L.; FORICA, Mm.

The action of some drugs (hyaluronic acid, hyaluronidase, cortisone) on lesions of the peripheral nerves in allergic encephalitis. Rev. sci. med. 7 no.3/4:157-162 '62.

(PERIPHERAL NERVE DISEASES) (MYELIN SHEATH)
(ENCEPHALITIS) (ALLERGY) (HYALURONIC ACID)
(HYALURONIDASE) (CORTISONE)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

LAZAR, L.; MAROS, T.

Effect of temperature on the myelin sheath of the peripheral nerves. Acta morph. acad. sci. hung. 11 no.3:319-325 '62.

1. Nervenhistologisches Laboratorium (Leiter: Prof. Dr. D.Miskolczy) der Forschungsstation der Akademie der Rumanischen Volksrepublik, Tirgu-Mures.

(PERIPHERAL NERVES) (HEAT) (COLD)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tiberiu; FORICA, Margareta M.; CSIKY, Nicolae

Effects of x-rays on the compensatory phenomena of the neuroglia in aseptic cerebral wounds. Rev. sci. med. 8 no. 1/2:47-50 '63.

(NEUROGLIA) (BRAIN INJURY, ACUTE) (WOUND HEALING) (RADIATION EFFECTS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tibor; KATONAI, Bela; KOVACS, V. Ibolya

Effect of aqueous extracts of Melilatus officinalis on the regenerating liver. Kiserl. orvostud. 14 no.3:314-320 Je '62.

1. Marosvasarhelyi (Tirgu-Mures, R.N.K.), Orvosi es Gyogyszereszeti Intezet Anatomiai es Sebeszeti Mutettani Tanszeke.
(LIVER pharmacol) (REGENERATION pharmacol)
(PLANTS MEDICINAL extracts)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

CHIKI, M. [Cichi, M.]; MAROSH, T. [Maros, T.]

New method of approach to the interventricular septum from the posterior interventricular sulcus without damage to His' bundle. Eksper. khir. i anest. 8 no.3:25-27 My-Je '63 (MIRA 17:1)

1. Iz kafedry anatomii i operativnoy khirurgii (zav. - prof. T.Marosh) Tyrgu-Muresskogo mediko-farmatsevticheskogo instituta Rumynskoy Narodnoy Respubliki.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MARCS, T. Beam

MAROL, Tiberiu, Professor; MAC, Ludovic, M.D.; ANDRIEVICI, Ch., M.D.; [illegible]; KATONAI, Zsolt, M.D.; MOLNAR, Virginia, M.D.

1. Department of Anatomy and Occupational Medicine of the Institute of Medicine in Tirgu Mures (Catedra de anatomie si medicina muncii a Institutului de Medicina din Tg. Mures): Head of Department: Professor Tiberiu Marol; - (For all): [illegible]; and the Council of Medical Faculty (Consiliul Facultatii de Medicina): Director: [illegible]; Andreescu (For Andreescu).

[illegible]. Environment. Hygiene, Vol 7, No 1, Jan-Feb [illegible].

"Investigations concerning the action of [illegible] coal dust from the Coal Basin of Ploiesti on human or animal [illegible]."

(5)

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ACCESSION NR: AP5022157 HU/0021/64/000/005/0283/0284

12
B

AUTHOR: Maros, Tivadar (Marosh, T.)(Doctor); Szikorszky, Tamas (Sikorski, T.)(Doctor); Herczegh, Bela (Khertseg, B.)(Doctor)

TITLE: Case of isolated costovertebral rib luxation

SOURCE: Magyar radiologiya, no. 5, 1964, 283-284

TOPIC TAGS: radiology, injury, bone

TITLE: A very rare case of dislocation of the 11th rib in the costobertebral junction, caused by indirect mechanical force, is described. Orig. art. has 1 figure.

ASSOCIATION: Baja Varosi Tanacs Korhaz Rontgen Intezetenek (City Council of Baja Hospital, Institute of Radiology); Baja Varosi Tanacs Korhaz, Sebeszeti Osztaly (City Council of Baja Hospital, Surgical Ward)

SUBMITTED: 00 ENCL: 00 SUB CODE: IS

NO REF SOV: 000 OTHER: 009 JPRS

Card 1/1

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

CSIKY, N.; MAROS,T.;RACZ,L.

Data regarding condition of the metarterioles and precapillaries of the myocardium in hypothermia and ventricular fibrillation. Cor vasa 6 no.1:44-48 '64.

1. Medical and Pharmaceutical Institute, Department of Anatomy and Operative Surgery, Tirgu-Mures, Rumania.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, Tiberiu, prof.; KATONAI, Bela, dr.; KOVACS, Virginia, dr.

Research on the influence of some antibiotics on the regenerative capacity of the hepatic parenchyma. Med. intern. (Bucur.) 10 no.5: 601-604 My'64

1. Lucrare efectuata la Catedra de anatomie si medicina operatorie I.M.F. [Institutul medico-farmaceutic], Tirgu Mures.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROS, T., prof.; SERES-STURM, L., dr.; KIFOR, I., chim; KATONAI, B., dr.

Changes in bromsulphalein clearence during liver regeneration. Med. intern. (Bucur) 17 no.2:219-222 F'65.

1. Lucrare efectuata la Catedra de anatomie umana (sef de catedra: prof. T. Maros) si Clinica I medicala (sef de catedra: prof. P. Doczy) Institutul medico-farmaceutic, Tirgu Mures.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

SOMOGYI, Miklos; MAROSAN, Gyorgy; BALASSA, Bela; SARKOZI, Ferenc; PASZTOR, Jozsef; SZABADKAI, Gyula; TOTH, Erno, vajar; SZERENCSI, Janos; BOSKOVOTS, Istvanne; KOMLODI, Sandorne

The 3d Conference of Trade-Union Stewards. Munka 8 no.9:1-8 S '58.

1. Szakszervezetek Orszagos Tanacsa elnoke (for Somogyi). 2. Dombovari Vasutigazgatosag (for Balassa). 3. Lang Gepgyar szakszervezeti bizottsaga elnoke (for Sarkozi). 4. Budapesti Tuzalloanyaggyar igazgatoja (for Szabadkai). 5. Petofi-banya. 6. Ozdi Kohaszati Uzemek (for Szerencsi). 7. Istvan-korhaz (for Boskovits). 8. Duna Cipogyar szakszervezeti bizottsaga elnoke (for Komlodi). 9. Pedagogiai Tovabbkepzo Intezet igazgatoja (for Pasztor).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSAN, Pal (Debrecen)

The young masters of the profession have passed examinations. Magy vasut 7 no.1:6 1 Ja '63.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSAN, Pal (Debrecen)

Successful shift in the Debrecen enginehouse honoring the liberation. Magy vasut 7 no.8:1 18 Ap '63.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

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MAROSAN, Pal (Debrecen)

Trade-union membership meetings in the Debrecen enginehouse.
Magy vasut 7 no.14:2 15 Jl '63.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSAN, Pal (Debrecen)

Eight new honored socialist brigades at the Debrecen enginehouse. Magy vasut 7 no.17:6 2 S '63.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSAN, Pal

Technical development tasks in the Debrecen enginehouse. Magy vasut 7 no.21:2 2N '63.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSAN, Pal (Debrecen)

An outstanding locomotive brigade. Magy vasut 7 no.23:1 2 D '63.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

MAROSAN, Pal (Debrecen)

Why has the traction capacity of the Debrecen locomotives decreased? Magy vasut 8 no.1:2 1 Ja'64.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032520019-8

Maroshi, V. Yu,

91-58-5-2/35

AUTHORS: Gerzhoy, I. P., Engineer, and Maroshi, V. Yu, Engineer

TITLE: The Transformation of Boilers From Pulverized-Coal Fuel to Gas Fuel (Perevod kotlov s pyleugol'nogo na gazovoye toplivo)

PERIODICAL: Energetik 1958, Nr 5, pp 3-6 (USSR)

ABSTRACT: In the Moscow Energy System, "Mosenergo", boilers, burning pulverized-coal, were transformed to gas fuel. The boilers had a capacity of 70-ton/hour and worked with 65 ata and 485°C, using low-grade Donets coal as fuel. The heat generated per cu m per hour is 160 - 103 kcal/m^3h. In the front wall 2 pulverized coal burners type ORGRES-TKZ are fitted. The boiler is also equipped with two high-speed mills "Rezolyutor", type B. In the transformation of the boiler to gas, it was stipulated, that coal may still be used as a reserve fuel. For this purpose a special ring type gas burner was designed (Figure 1). The temperature of the super-heated steam fell to 480° C after transformation to gas. Therefore two additional burners were installed in the front wall 7.8 m above the principal ones. The productivity of each burner is 4,000 m^3/h and of each

Card 1/2

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The Transformation of Boilers From Pulverized-Coal Fuel to Gas Fuel

additional burner 600 - 800 m^3/h. The boiler was put into operation with a mixture of natural and coking gases of a heat value of 6,600 kcal/nm^3. Experiments have shown that, at an excess of air, incomplete chemical burning is at a minimum of 0 - 0.3%. The loss of heat in waste gases is lower than in coal. It increases by a change of stress from 40 - 70-ton/hour from 5% to 7%. The efficiency factor reaches at maximal boiler load 91.5 - 92%. The drawbacks of the boiler are: high temperature of the superheated steam and a great consumption of water in the steam cooler; considerable resistance of the gas burner, reaching at maximal load, 800 mm water column. A new gas burner has been designed (Figure 3) in which the gas is conducted in the central pipe, to obtain better burning conditions. In the electric power stations of Mosenergo a mixture of several gases is burned. The heat value fluctuates between 6,200 - 7,500 kcal/nm^3 A regular distribution of gas and air in the different burners is very important, otherwise 6% losses by incomplete chemical burning result.
There are 4 figures.

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Card 2/2 1. Fuels - USSR

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